

Stefan M. Pulst P07 37217

FIGURE 2

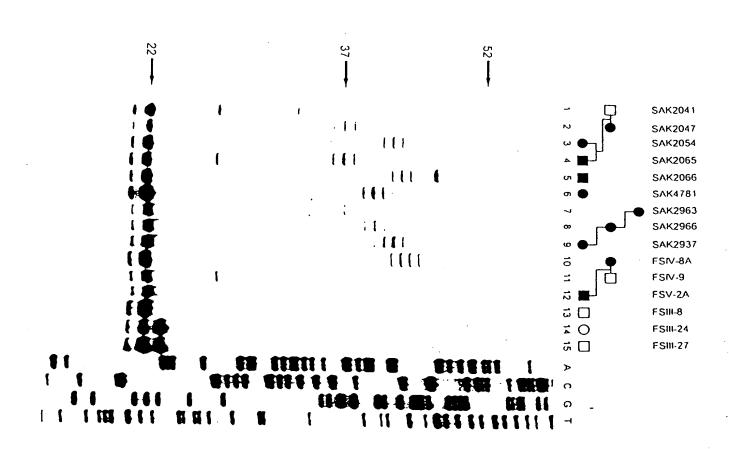
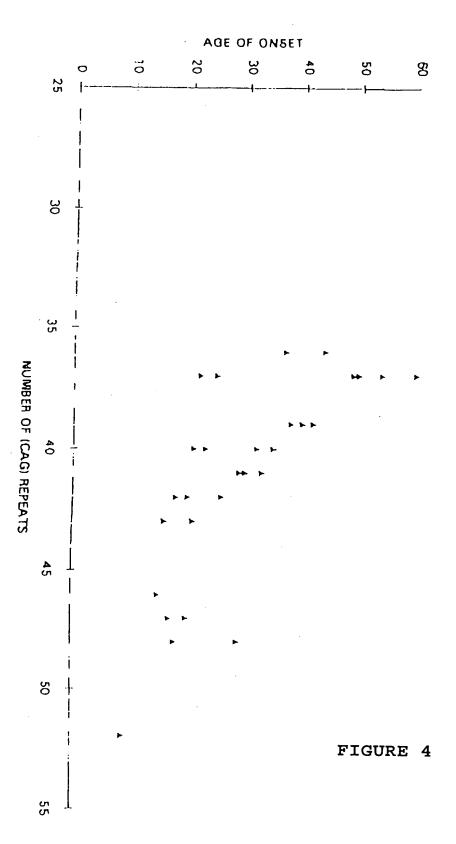
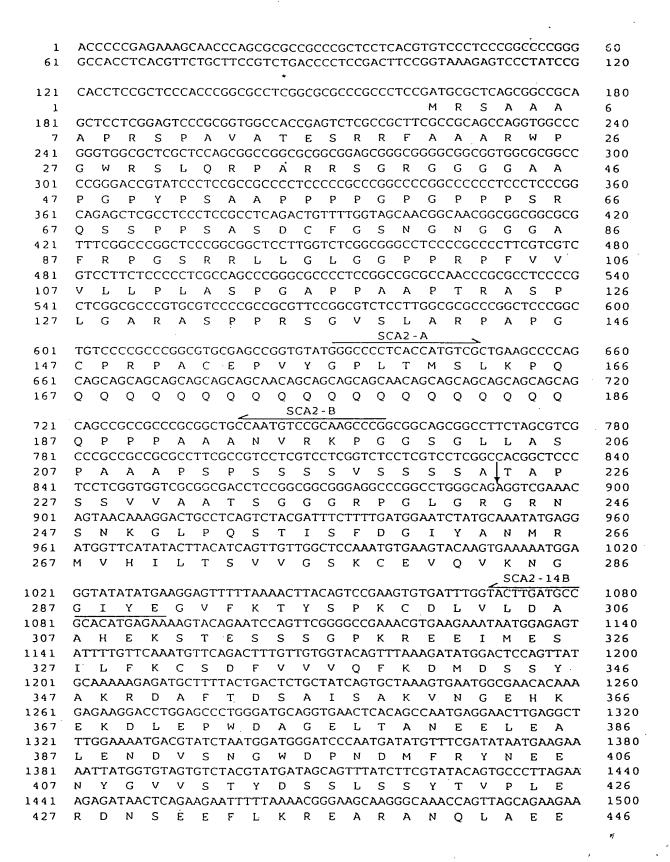


FIGURE 3



300 bp





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1501	ATTGAGTCAAGTGCCCAGTACAAAGCTCGAGTGGCCCTGGAAAATGATGATAGGAGTGAG	1560
447	I E S S A Q Y K A R V A L E N D D R S E	466
1561	GAAGAAAATACACAGCAGTTCAGAGAAATTCCAGTGAACGTGAGGGGCACAGCATAAAC	1620
467	E E K Y T A V Q R N S S E R E G H S I N	486
1621	ACTAGGGAAAATAAATATTCCTCCTGGACAAAGAAATAGAGAAGTCATATCCTGGGGA	1680
487	T R E N K Y I P P G Q R N R E V I S W G	506
1681	AGTGGGAGACAGAATTCACCGCGTATGGGCCAGCCTGGATCGGGCTCCATGCCATCAAGA	1740
507	SGRQNSPRMGQPGSGSMPSR	526
1741	TCCACTTCTCACACTTCAGATTTCAACCCGAATTCTGGTTCAGACCAAAGAGTAGTTAAT	1800
527	STSHTSDF,NPNSGSDQRVVN	546
1801	GGAGGTGTTCCCTGGCCATCGCCTTGCCCATCTCCTTCCT	1860
547	G G V P W P S P C P S P S S R P P S R Y	566
1861	CAGTCAGGTCCCAACTCTCTTCCACCTCGGGCAGCCACCCCTACACGGCCGCCCTCCAGG	1920
567	Q S G P N S L P P R A A T P T R P P S R	586
1921	CCCCCTCGCGGCCATCCAGACCCCCGTCTCACCCCTCTGCTCATGGTTCTCCAGCTCCT	1980
587	P P S R P S R P P S A H G S P A P	606
1981	GTCTCTACTATGCCTAAACGCATGTCTTCAGAAGGGCCTCCAAGGATGTCCCCAAAGGCC	2040
607	V S T M P K R M S S E G P P R M S P K A	626
2041	CAGCGACATCCTCGAAATCACAGAGTTTCTGCTGGGAGGGGTTCCATATCCAGTGGCCTA	2100
627	O R H P R N H R V S A G R G S I S S G L	646
2101	GAATTTGTATCCCACAACCCACCCAGTGAAGCAGCTACTCCTCCAGTAGCAAGGACCAGT	2160
647	E F V S H N P P S E A A T P P V A R T S	666
2161	CCCTCGGGGGGAACGTGGTCATCAGTGGTCAGTGGGGTTCCAAGATTATCCCCTAAAACT	2220
667	PSGGTWSSVVSGVPRLSPKT	686
2221	CATAGACCCAGGTCTCCCAGACAGAACAGTATTGGAAATACCCCCAGTGGGCCAGTTCTT	2280
687	H R P R S P R O N S I G N T P S G P V L	706
2281	GCTTCTCCCCAAGCTGGTATTATTCCAACTGAAGCTGTTGCCATGCCTATTCCAGCTGCA	2340
707	A S P O A G I I P T E A V A M P I P A A	726
2341	TCTCCTACGCCTGCTAGTCCTGCATCGAACAGAGCTGTTACCCCTTCTAGTGAGGCTAAA	2400
727	S P T P A S P A S N R A V T P S S E A K	.746
2401	GATTCCAGGCTTCAAGATCAGAGGCAGAACTCTCCTGCAGGGAATAAAGAAAATATTAAA	2460
747	D S R L O D O R O N S P A G N K E N I K	766
_	CCCAATGAAACATCACCTAGCTTCTCAAAAGCTGAAAACAAAGGTATATCACCAGTTGTT	2520
2461		786
767		2580
2521	TCTGAACATAGAAAACAGATTGATGATTTAAAGAAATTTAAGAATGATTTTAGGTTACAG	
787	S E H R K Q I D D L K K F K N D F R L Q	806
2581	CCAAGTTCTACTTCTGAATCTATGGATCAACTACTAAACAAAAATAGAGAGGGAGAAAAA	2640
807	PSSTSESMDQLLNKNREGEK	826 2700
2641	TCAAGAGATTTGATCAAAGACAAAATTGAACCAAGTGCTAAGGATTCTTTCATTGAAAAT	
827	S R D L I K D K I E P S A K D S F I E N	846
2701	AGCAGCAGCAACTGTACCAGTGGCAGCAGCAGCAGCAATAGCCCCAGCATTTCCCCTTCA	2760
847	S S S N C T S G S S K P N S P S I S P S	866
2761	ATACTTAGTAACACGGAGCACAAGAGGGGACCTGAGGTCACTTCCCAAGGGGTTCAGACT	2820
867	ILSNTEHKRGPEVTSQGVQT	886
2821	TCCAGCCCAGCATGTAAACAAGAGAAAGACGATAAGGAAGAAGAAGAAGACGCAGCTGAG	2880
887	S S P A C K, Q E K D D K E E K K D A A E	906
2881	CAAGTTAGGAAATCAACATTGAATCCCAATGCAAAGGAGTTCAACCCACGTTCCTTCTCT	2940
907	Q V R K S T L N P N A K E F N P R S F S	926
2941	CAGCCAAAGCCTTCTACTACCCCAACTTCACCTCGGCCTCAAGCACAACCTAGCCCATCT	3000
927	Q P K P S T T P T S P R P Q A Q P S P S	946
3001	ATGGTGGGTCATCAACAGCCAACTCCAGTTTATACTCAGCCTGTTTGTT	3060
947	M V G H Q Q P T P V Y T Q P V C F A P N	966
3061	ATGATGTATCCAGTCCCAGTGAGCCCAGGCGTGCAACCTTTATACCCAATACCTATGACG	3120
967	M M Y P V P V S P G V Q P L Y P I P M T	986

3121	CCCATGCCAGTGAATCAAGCCAAGACATATAGAGCAGTACCAAATATGCCCCAACAGCGG	3180
987	P M P V N Q A K T Y R A V P N M P Q Q R	1006
3181	CAAGACCAGCATCATCAGAGTGCCATGATGCACCCAGCGTCAGCAGCGGGCCCACCGATT	3240
1007	Q D Q H H Q S A M M H P A S A A G P P I	1026
3241	GCAGCCACCCACCAGCTTACTCCACGCAATATGTTGCCTACAGTCCTCAGCAGTTCCCA	3300
1027	A A T P P A Y S T Q Y V A Y S P Q Q F P	1046
3301	AATCAGCCCCTTGTTCAGCATGTGCCACATTATCAGTCTCAGCATCCTCATGTCTATAGT	3360
1047	NQPLVQHVPHYQSQHPHVYS	1066
3361	CCTGTAATACAGGGTAATGCTAGAATGATGGCACCACCAACACACGCCCAGCCTGGTTTA	3420
1067	P V I Q G N A R M M A P P T H A Q P G L	1086
3421	GTATCTTCTTCAGCAACTCAGTACGGGGCTCATGAGCAGACGCATGCGATGTATGCATGT	3480
1087	V S S S A T Q Y G A H E Q T H A M Y A C	1106
3481	CCCAAATTACCATACAACAAGGAGACAAGCCCTTCTTTCT	3540
1107	PKLPYNKETSPSFYFAISTG	1126
3541	TCCCTTGCTCAGCAGTATGCGCACCCTAACGCTACCCTGCACCCACATACTCCACACCCT	3600
1127	S L A Q Q Y A H P N A T L H P H T P H P	1146
3601	CAGCCTTCAGCTACCCCCACTGGACAGCAGCAAAGCCAACATGGTGGAAGTCATCCTGCA	3660
1147	Q P S A T P T G Q Q S Q H G G S H P A	1166
3661	CCCAGTCCTGTTCAGCACCATCAGCACCAGGCCGCCCAGGCTCTCCATCTGGCCAGTCCA	3720
1167	P S P V Q H H Q H Q A A Q A L H L A S P	1186
3721	CAGCAGCAGTCAGCCATTTACCACGCGGGGCTTGCGCCAACTCCACCCTCCATGACACCT	3780
1187	Q Q Q S A I Y H A G L A P T P P S M T P	1206
3781	GCCTCCAACACGCAGTCGCCACAGAATAGTTTCCCAGCAGCACAACAGACTGTCTTTACG	3840
1207	A S N T Q S P Q N S F P A A Q Q T V F T	1226
3841	ATCCATCCTTCTCACGTTCAGCCGGCGTATACCAACCCACCC	3900
1227	I H P S H V Q P A Y T N P P H M A H V P	1246
3901	CAGGCTCATGTACAGTCAGGAATGGTTCCTTCTCATCCAACTGCCCCATGCGCCAATGATG	3960
1247	Q A H V Q S G M V P S H P T A H A P M M	1266
3961	CTAATGACGACACCACCCGGCGGTCCCCAGGCCGCCCTCGCTCAAAGTGCACTACAG	4020
1267	L M T T Q P P G G P Q A A L A Q S A L Q	1286
4021	CCCATTCCAGTCTCGACAACAGCGCATTTCCCCTATATGACGCACCCTTCAGTACAAGCC	4080
1287	PIPVSTTAHFPYMTHPSVQA	1306
4081	CACCACCAACAGCAGTTGTAAGGCTGCCCTGGAGGAACCGAAAGGCCAAATTCCCTCCTC	4140
1307	H H Q Q Q L *	1326
4141	CCTTCTACTGCTTCTACCAACTGGAAGCACAGAAAACTAGAATTTCATTTATTT	4200
4201	TAAAATATATATGTTGATTTCTTGTAACATCCAATAGGAATGCTAACAGTTCACTTGCAG	4260
4261	TGGAAGATACTTGGACCGAGTAGAGGCATTTAGGAACTTGGGGGCTATTCCATAATTCCA	4320
4321	TATGCTGTTTCAGAGTCCCGCAGGTACCCCAGCTCTGCTTGCCGAAACTGGAAGTTATTT	4380
4381	ATTTTTAATAACCCTTGAAAGTCATGAACACATCAGCTAGCAAAAGAAGTAACAAGAGT	4440

## Stefan M. Pulst (1) 7084 P07 37217

	1				50
Ataxin-2		PQQQQQQQQ	QQQQQQQQQ	QQQPPPAAAN	
Mouse Ataxin-2					
A2RP			ER		
Consensus	L-	PQ			
	51	000000000		<b>&gt;</b> #666600000	100
Ataxin-2			APSSVVA		
Mouse Ataxin-2 A2RP			APAAPVASSS		-
Consensus					
Consensus	P-AAS				- KG KG-
	101				150
Ataxin-2		YANMRMVHIL	TSVVGSKCEV	OVKNGGIYEG	
Mouse Ataxin-2			TSVVGSKCEV	-	
A2RP	-		TAVVGSTCDV		
Consensus	PQF-G-	Y - N - RM - H - L	T-VVGS-C-V	- VKNG YEG	- FKT - S - K
			•		
America 3	151	TECCCONVE	PIMECILENC	CDETTTOEVE	200
Ataxin-2 Mouse Ataxin-2			EIMESILFKC EIMESVLFKC	~	
A2RP			DIVDTMVFKP	•	
Consensus	LDA-H-K-				
0000000	2 3	5 01 115			<i>U III U</i>
	201				250
Ataxin-2		KVNGEHKEKD	LEPWDAGELT	ANEELEALEN	
Ataxin-2 Mouse Ataxin-2	FTDSAISA		LEPWDAGELT LEPWDAGELT		DVSNGWDPND
	FTDSAISA FTDSALSA	KVNGEHKEKD		ASEELE.LEN	DVSNGWDPND DVSNGWDPND
Mouse Ataxin-2	FTDSAISA FTDSALSA FTDSAIAMNS	KVNGEHKEKD KVNGEHKEKV	LEPWDAGELT	ASEELE.LEN NSDDYD.LES	DVSNGWDPND DVSNGWDPND DMSNGWDPNE
Mouse Ataxin-2 A2RP	FTDSAISA FTDSALSA FTDSAIAMNS FTDSA	KVNGEHKEKD KVNGEHKEKV	LEPWDAGELT LQRWEGGD.S	ASEELE.LEN NSDDYD.LES	DVSNGWDPND DVSNGWDPND DMSNGWDPNE D-SNGWDPN-
Mouse Ataxin-2 A2RP Consensus	FTDSAISA FTDSAISA FTDSAIAMNS FTDSA	KVNGEHKEKD KVNGEHKEKV KVNGEHKEK -	LEPWDAGELT LQRWEGGD.S LWG	ASEELE.LEN NSDDYD.LES	DVSNGWDPND DVSNGWDPND DMSNGWDPNE D-SNGWDPN-
Mouse Ataxin-2 A2RP Consensus Ataxin-2	FTDSAISA FTDSAISA FTDSAIAMNS FTDSA	KVNGEHKEKD KVNGEHKEKV KVNGEHKEK- VVSTYDSSLS	LEPWDAGELT LQRWEGGD.S LWG SYTVPLERDN	ASEELE.LEN NSDDYD.LESLE- SEEFLKREAR	DVSNGWDPND DVSNGWDPND DMSNGWDPNE D-SNGWDPN- 300 ANQLAEEIES
Mouse Ataxin-2 A2RP Consensus  Ataxin-2 Mouse Ataxin-2	FTDSAISA FTDSAISA FTDSAIAMNS FTDSA 251 MFRYNEENYG MFRYNEENYG	KVNGEHKEKD KVNGEHKEKV KVNGEHKEK- VVSTYDSSLS VVSTYDSSLS	LEPWDAGELT LQRWEGGD.S LWG SYTVPLERDN SYTVPLERDN	ASEELE.LEN NSDDYD.LESLE- SEEFLKREAR SEEFLKREAR	DVSNGWDPND DVSNGWDPND DMSNGWDPNE D-SNGWDPN- 300 ANQLAEEIES ANQLAEEIES
Mouse Ataxin-2 A2RP Consensus  Ataxin-2 Mouse Ataxin-2 A2RP	FTDSAISA FTDSAISA FTDSAIAMNS FTDSA 251 MFRYNEENYG MFRYNEENYG MFKFNEENYG	KVNGEHKEKD KVNGEHKEKV KVNGEHKEK- VVSTYDSSLS VVSTYDSSLS VKTTYDSSLS	LEPWDAGELT LQRWEGGD.S LWG SYTVPLERDN SYTVPLERDN SYTVPLEKDN	ASEELE.LEN NSDDYD.LESLE- SEEFLKREAR SEEFLKREAR SEEFRQRELR	DVSNGWDPND DVSNGWDPND DMSNGWDPNE D-SNGWDPN- 300 ANQLAEEIES ANQLAEEIES AAQLAREIES
Mouse Ataxin-2 A2RP Consensus  Ataxin-2 Mouse Ataxin-2	FTDSAISA FTDSAISA FTDSAIAMNS FTDSA 251 MFRYNEENYG MFRYNEENYG	KVNGEHKEKD KVNGEHKEKV KVNGEHKEK- VVSTYDSSLS VVSTYDSSLS VKTTYDSSLS	LEPWDAGELT LQRWEGGD.S LWG SYTVPLERDN SYTVPLERDN SYTVPLEKDN	ASEELE.LEN NSDDYD.LESLE- SEEFLKREAR SEEFLKREAR SEEFRQRELR	DVSNGWDPND DVSNGWDPND DMSNGWDPNE D-SNGWDPN- 300 ANQLAEEIES ANQLAEEIES AAQLAREIES
Mouse Ataxin-2 A2RP Consensus  Ataxin-2 Mouse Ataxin-2 A2RP	FTDSAISA FTDSAISA FTDSAIAMNS FTDSA 251 MFRYNEENYG MFRYNEENYG MFKFNEENYG	KVNGEHKEKD KVNGEHKEKV KVNGEHKEK- VVSTYDSSLS VVSTYDSSLS VKTTYDSSLS	LEPWDAGELT LQRWEGGD.S LWG SYTVPLERDN SYTVPLERDN SYTVPLEKDN	ASEELE.LEN NSDDYD.LESLE- SEEFLKREAR SEEFLKREAR SEEFRQRELR	DVSNGWDPND DVSNGWDPND DMSNGWDPNE D-SNGWDPN- 300 ANQLAEEIES ANQLAEEIES AAQLAREIES
Mouse Ataxin-2 A2RP Consensus  Ataxin-2 Mouse Ataxin-2 A2RP	FTDSAIS. A FTDSALS. A FTDSAIAMNS FTDSA  251 MFRYNEENYG MFRYNEENYG MFKFNEENYG MFNEENYG	KVNGEHKEKD KVNGEHKEKV KVNGEHKEK- VVSTYDSSLS VVSTYDSSLS VKTTYDSSLS VTYDSSLS	LEPWDAGELT LQRWEGGD.S LWG SYTVPLERDN SYTVPLERDN SYTVPLEKDN SYTVPLE-DN	ASEELE.LEN NSDDYD.LESLE- SEEFLKREAR SEEFLKREAR SEEFRQRELR SEEFRE-R	DVSNGWDPND DVSNGWDPND DMSNGWDPN- 300 ANQLAEEIES ANQLAEEIES AAQLAREIES A-QLA-EIES 350
Mouse Ataxin-2 A2RP Consensus  Ataxin-2 Mouse Ataxin-2 A2RP Consensus  Ataxin-2 Mouse Ataxin-2	FTDSAISA FTDSALSA FTDSAIAMNS FTDSA 251 MFRYNEENYG MFRYNEENYG MFKFNEENYG MFNEENYG 301 SAQYKARVAL SAQYKARVAL	KVNGEHKEKD KVNGEHKEKV KVNGEHKEK- VVSTYDSSLS VVSTYDSSLS VKTTYDSSLS VTYDSSLS ENDD.RSEEE	LEPWDAGELT LQRWEGGD.S LWG SYTVPLERDN SYTVPLERDN SYTVPLEKDN SYTVPLE-DN  KYTAVQRNSS KYTAVQRNCS	ASEELE.LEN NSDDYD.LESLE- SEEFLKREAR SEEFLKREAR SEEFRQRELR SEEFRE-R EREGHSINTR DREGHGPNTR	DVSNGWDPND DVSNGWDPND DMSNGWDPNE D-SNGWDPN-  300 ANQLAEEIES ANQLAEEIES AAQLAREIES A-QLA-EIES ENKYIPPGQR DNKYIPPGQR
Mouse Ataxin-2 A2RP Consensus  Ataxin-2 Mouse Ataxin-2 A2RP Consensus  Ataxin-2 Mouse Ataxin-2 A2RP	FTDSAISA FTDSALSA FTDSAIAMNS FTDSA 251 MFRYNEENYG MFRYNEENYG MFKFNEENYG MFNEENYG 301 SAQYKARVAL SAQYKARVAL SPQYRLRIAM	KVNGEHKEKD KVNGEHKEKV KVNGEHKEK-  VVSTYDSSLS VVSTYDSSLS VKTTYDSSLS VTYDSSLS ENDD.RSEEE ENDD.RSEEE	LEPWDAGELT LQRWEGGD.S LWG SYTVPLERDN SYTVPLERDN SYTVPLEKDN SYTVPLE-DN  KYTAVQRNSS KYTAVQRNSS KYTAVQRNCS KHSAVQRQGS	ASEELE.LEN NSDDYD.LESLE- SEEFLKREAR SEEFLKREAR SEEFRORELR SEEFRE-R EREGHSINTR DREGHGPNTR GRESPSLASR	DVSNGWDPND DVSNGWDPND DMSNGWDPNE D-SNGWDPN-  300 ANQLAEEIES ANQLAEEIES AAQLAREIES A-QLA-EIES  ENKYIPPGQR DNKYIPPGQR EGKYIP
Mouse Ataxin-2 A2RP Consensus  Ataxin-2 Mouse Ataxin-2 A2RP Consensus  Ataxin-2 Mouse Ataxin-2	FTDSAISA FTDSALSA FTDSAIAMNS FTDSA 251 MFRYNEENYG MFRYNEENYG MFKFNEENYG MFNEENYG 301 SAQYKARVAL SAQYKARVAL	KVNGEHKEKD KVNGEHKEKV KVNGEHKEK-  VVSTYDSSLS VVSTYDSSLS VKTTYDSSLS VTYDSSLS ENDD.RSEEE ENDD.RSEEE	LEPWDAGELT LQRWEGGD.S LWG SYTVPLERDN SYTVPLERDN SYTVPLEKDN SYTVPLE-DN  KYTAVQRNSS KYTAVQRNSS KYTAVQRNCS KHSAVQRQGS	ASEELE.LEN NSDDYD.LESLE- SEEFLKREAR SEEFLKREAR SEEFRORELR SEEFRE-R EREGHSINTR DREGHGPNTR GRESPSLASR	DVSNGWDPND DVSNGWDPND DMSNGWDPNE D-SNGWDPN-  300 ANQLAEEIES ANQLAEEIES AAQLAREIES A-QLA-EIES  ENKYIPPGQR DNKYIPPGQR EGKYIP
Mouse Ataxin-2 A2RP Consensus  Ataxin-2 Mouse Ataxin-2 A2RP Consensus  Ataxin-2 Mouse Ataxin-2 A2RP	FTDSAISA FTDSALSA FTDSALAMNS FTDSA 251 MFRYNEENYG MFRYNEENYG MFKFNEENYG MFNEENYG 301 SAQYKARVAL SAQYKARVAL SPQYRLRIAM S-QYR-A-	KVNGEHKEKD KVNGEHKEKV KVNGEHKEK-  VVSTYDSSLS VVSTYDSSLS VKTTYDSSLS VTYDSSLS ENDD.RSEEE ENDD.RSEEE	LEPWDAGELT LQRWEGGD.S LWG SYTVPLERDN SYTVPLERDN SYTVPLEKDN SYTVPLE-DN  KYTAVQRNSS KYTAVQRNSS KYTAVQRNCS KHSAVQRQGS	ASEELE.LEN NSDDYD.LESLE- SEEFLKREAR SEEFLKREAR SEEFRORELR SEEFRE-R EREGHSINTR DREGHGPNTR GRESPSLASR	DVSNGWDPND DVSNGWDPND DMSNGWDPNE D-SNGWDPN-  300 ANQLAEEIES ANQLAEEIES AAQLAREIES A-QLA-EIES  ENKYIPPGQR DNKYIPPGQR EGKYIP
Mouse Ataxin-2 A2RP Consensus  Ataxin-2 Mouse Ataxin-2 A2RP Consensus  Ataxin-2 Mouse Ataxin-2 A2RP Consensus	FTDSAISA FTDSALSA FTDSALAMNS FTDSA  251 MFRYNEENYG MFRYNEENYG MFKFNEENYG MFNEENYG 301 SAQYKARVAL SAQYKARVAL SPQYRLRIAM S-QYR-A-	KVNGEHKEKD KVNGEHKEKV KVNGEHKEK-  VVSTYDSSLS VVSTYDSSLS VKTTYDSSLS VTYDSSLS ENDD.RSEEE ENDD.RSEEE	LEPWDAGELT LQRWEGGD.S LWG SYTVPLERDN SYTVPLERDN SYTVPLEKDN SYTVPLE-DN  KYTAVQRNSS KYTAVQRNSS KYTAVQRNCS KHSAVQRQGS	ASEELE.LEN NSDDYD.LESLE- SEEFLKREAR SEEFLKREAR SEEFRORELR SEEFRE-R EREGHSINTR DREGHGPNTR GRESPSLASR	DVSNGWDPND DVSNGWDPND DMSNGWDPNE D-SNGWDPN-  300 ANQLAEEIES ANQLAEEIES AAQLAREIES A-QLA-EIES  ENKYIPPGQR DNKYIPPGQR EGKYIP
Mouse Ataxin-2 A2RP Consensus  Ataxin-2 Mouse Ataxin-2 A2RP Consensus  Ataxin-2 Mouse Ataxin-2 A2RP	FTDSAISA FTDSALSA FTDSALAMNS FTDSA 251 MFRYNEENYG MFRYNEENYG MFKFNEENYG MFNEENYG 301 SAQYKARVAL SAQYKARVAL SPQYRLRIAM S-QYR-A-	KVNGEHKEKD KVNGEHKEKV KVNGEHKEK-  VVSTYDSSLS VVSTYDSSLS VKTTYDSSLS VTYDSSLS ENDD.RSEEE ENDD.RSEEE	LEPWDAGELT LQRWEGGD.S LWG SYTVPLERDN SYTVPLERDN SYTVPLEKDN SYTVPLE-DN  KYTAVQRNSS KYTAVQRNSS KYTAVQRNCS KHSAVQRQGS	ASEELE.LEN NSDDYD.LESLE- SEEFLKREAR SEEFLKREAR SEEFRORELR SEEFRE-R EREGHSINTR DREGHGPNTR GRESPSLASR	DVSNGWDPND DVSNGWDPND DMSNGWDPNE D-SNGWDPN-  300 ANQLAEEIES ANQLAEEIES AAQLAREIES A-QLA-EIES  ENKYIPPGQR DNKYIPPGQR EGKYIP
Mouse Ataxin-2 A2RP Consensus  Ataxin-2 Mouse Ataxin-2 A2RP Consensus  Ataxin-2 Mouse Ataxin-2 A2RP Consensus	FTDSAISA FTDSALSA FTDSAIAMNS FTDSA 251 MFRYNEENYG MFRYNEENYG MFKFNEENYG MFNEENYG 301 SAQYKARVAL SAQYKARVAL SPQYRLRIAM S-QYR-A- 351 NR	KVNGEHKEKD KVNGEHKEKV KVNGEHKEK-  VVSTYDSSLS VVSTYDSSLS VKTTYDSSLS VTYDSSLS ENDD.RSEEE ENDD.RSEEE	LEPWDAGELT LQRWEGGD.S LWG SYTVPLERDN SYTVPLERDN SYTVPLEKDN SYTVPLE-DN  KYTAVQRNSS KYTAVQRNSS KYTAVQRNCS KHSAVQRQGS	ASEELE.LEN NSDDYD.LESLE- SEEFLKREAR SEEFLKREAR SEEFRORELR SEEFRE-R EREGHSINTR DREGHGPNTR GRESPSLASR	DVSNGWDPND DVSNGWDPND DMSNGWDPNE D-SNGWDPN-  300 ANQLAEEIES ANQLAEEIES AAQLAREIES A-QLA-EIES  ENKYIPPGQR DNKYIPPGQR EGKYIP